

BIBLIOGRAPHICAL RECORD.

Authors and societies are requested to forward their works to the editors as soon as published. The date of publication, given in brackets [], marks the time at which the work was received, unless an earlier date of publication is known to recorder or editor. Unless otherwise stated each record is made directly from the work that is noticed.

Corrections of errors and notices of omissions are solicited.

Abbe, Cleveland. A relation between meteorology and the grasshopper or locust pest. (Amer. nat., Oct. 1880, v. 14, p. 735-738.)

Attempt to establish the relationship between temperature and its duration, and the length of time required to hatch eggs of locusts [caloptenus]. G: D. (1943)

Bennett, Alfred W. The fertilization of flowers by insects and their mutual adaptation for that function. (Academy, 15 Aug. 1873, v. 4, no. 78, p. 307-309, 59 cm.) (Amer. nat., Nov. 1873, v. 7, p. 680-683.)

Rev. of H. Müller's "Die Befruchtung der Blumen durch Insekten und die gegenseitigen Anpassungen Beider..."

Breitenbach, Wilhelm. Eine Beobachtung an Hymenopteren-Flügeln. (Zool. Anzeiger, 18 Oct. 1880, jahrg. 3, p. 522-523.)

How to distinguish, on wings of hymenoptera, the lines of folding which they had in the pupal state, by means of the hairs and tracheae of the wings. G: D. (1945)

[**Burgess**, E.: Notice of lessons on entomology at the Bussey Institution, Harvard University, Jamaica Plain, Mass., given in 1880, by.] (Harvard register, March 1880, v. 1, p. 71, col. 2, 2 cm.) G: D. (1946)

(**California**, — State horticultural society. Report of meeting, at San Francisco, 30 July 1880.] (Pacific rural press [San Francisco], 7 Aug. 1880, v. 20, p. 88-89, 153 cm.)

Communications (32 cm.) upon the spread of the grape phylloxera, and means against it. B: P. M. (1947)

Canestrini, Johann. Über ein sonderbares Organ der Hymenopteren. (Zool. Anzeiger, 23 Aug. 1880, jahrg. 3, p. 421-422.)

Notes upon a peculiar organ upon the first pair of legs of all hymenoptera, hitherto noted upon the bee (*apis mellifica*). G: D. (1948)

Carabolic soap for ant bites. (Colonies and India, 6 Nov. 1880, p. 9, 1 cm.) G: D. (1949)

Chambolle, F. Sur les mœurs de l'*hydrophilus picceus*. (Feuille des jeunes naturalistes, Sept. 1880, an. 10, p. 147.)

H. picceus eats readily not only vegetable food but also young *triton punctatus* and pieces of meat.

G: D. (1950)

Chambolle, F. Observation sur le *liparis* du saule, *liparis salicis*, et sur la propagation anormale de certains insectes. (Feuille des jeunes naturalistes, Sept. 1880, an. 10, p. 145.)

Swarming of *liparis salicis*, *pyramis cardui*, *orgyia pudibunda*, *cnethocampa processionea* and *liparis chrysorrhoea*. Reason for such superabundance of certain species; application to phylloxera. G: D. (1951)

Claypole, E: W. [Insects taken at Yellow Springs, O.] (Can. entom., June 1880, v. 12, p. 120.)

Insects taken in March and April 1880 at Yellow Springs, Ohio. G: D. (1952)

Cook, Albert J: The tongue of the honey bee [PSYCHE, Rec., no. 1576].

Reprint. (Amer. nat., April 1880, v. 14, p. 271-280, 1 fig.) G: D. (1953)

D., J. D. Preservative against the ravages of termites or white ants. (Colonies and India, 23 Oct. 1880, p. 17, 2 cm.)

Inquiries about patenting such a preservative; answered by R. E. C. (Colonies and India, 30 Oct. 1880, p. 17, 3 cm.) G: D. (1954)

Domesticating the tusser silkworm. (Journ. applied sci., Dec. 1880, v. 11, p. 186-187, 43 cm.)

Notes upon the habits of *antherea paphia* [= *attacus mylitta*], *actias selene* and *cricula trifasciata*. G: D. (1955)

Edwards, W: H: On certain species of *satyrus* [PSYCHE, Rec., no. 1817].

Correction by W: H: Edwards. (Can. entom., Aug. 1880, v. 12, p. 147.) G: D. (1956)

Edwards, W: H: Correction. (Can. entom., Aug. 1880, v. 12, p. 147.)

Correction to the authors' "On certain species of *satyrus*" [PSYCHE, Rec., no. 1817]. G: D. (1957)

Edwards, W. H. Description of preparatory stages of *argynnis cybele*, Fabr. (Can. entom., Aug. 1880, v. 12, p. 141-145.) Description of egg, larva in different stages, and chrysalis of *a. cybele*. Mode of keeping larvae at freezing temperature through the winter, and results. *G: D.* (1958)

Ehlers, Ernst. Berichtigungen. (Zool. Anzeiger, 23 Aug. 1880, jahrg. 3, p. 429-430.) Correction of O. Taschenberg's "Die Flöhe" . . . [PSYCHE, Rec., no. 2005]. *G: D.* (1959)

Electrical insects [PSYCHE, Rec., no. 1820]. (Pacific rural press [San Francisco], 31 July 1880, v. 20, p. 67, col. 4, 11 cm.) *B: P. M.* (1960)

Fletcher, James. [*Melitaea phaeton* in a swamp near Ottawa, Canada.] (Can. entom., Aug. 1880, v. 12, p. 160.) *G: D.* (1961)

Gouillon, H., jr. The clinical use of *apis mellifica*. Extract from the essay: "Das Bienengift im Dienste der Homœopathie." (N. A. [quart.] journ. homœopathy, May 1880, no. 112, n. s., no. 40, p. 509-524.) *G: D.* (1962)

Grote, A: Radcliffe. Descriptions of noctuidae. (Can. entom., Aug. 1880, v. 12, p. 152-157.) Suggestions about mode of describing noctuidae; describes *agrotis hilaris*, *a. stellaris*, *a. citricolor*, *polia aedon* and *tarache sutrix* (5 new species from the United States); arrangement of some of the naked eyed noctuidae of the author's collection. *G: D.* (1963)

Grote, A: Radcliffe. North American noctuidae in the Zutraege. First hundred. (Can. entom., May 1880, v. 12, p. 84-88.) Identification, as far as possible, of the species mentioned in Jacob Hübner's "Zutrage zur Sammlung exotischer Schmetterlinge," . . . [see Hagen, Bibl. entom., v. 1, p. 389]. *G: D.* (1964)

Grote, A: Radcliffe. North American noctuidae in the Zutraege. Second and third hundreds. (Can. entom., June 1880, v. 12, p. 116-118.) Identification, as far as possible, of the species mentioned in Jacob Hübner's "Zutrage zur Sammlung exotischer Schmetterlinge," . . . [see Hagen, Bibl. entom., v. 1, p. 389]. *G: D.* (1965)

Healthful effects of the Australian blue-gum tree. (Colonies and India, 6 Nov. 1880, p. 12, 15 cm.) *Eucalyptus* trees as a means of driving away mosquitoes [*culex*], phylloxera, and other insects. Quoted from Naples correspondent of the *Daily news* [London, Eng.]. *G: D.* (1966)

Heustis, Caroline Eliza. [Scarcity of insects.] (Can. entom., Jan. 1880, v. 12, p. 19-20.) Records scarcity of insects, especially lepidoptera, in New Brunswick, during 1879. *G: D.* (1967)

Hilgard, Eugene W. The deadly phylloxera. (San Francisco [Cal.] merchant, 20 Aug. 1880, v. 3, no. 25, p. [2], col. 6, 17 cm.) Discovery of the fertile winged form of the grape phylloxera in California; means of destroying it. *B: P. M.* (1968)

Honey bees [*apis mellifica*] in New Zealand. (Colonies and India, 4 Dec. 1880, p. 11, 10 cm.) The Italian or Ligurian bee is found to fertilize the red clover [*trifolium*] in New Zealand as well as the imported humble-bee [*bombus*] does. The Ligurian variety is free from the attacks of the bee-moth to which the black variety is there subject. *G: D.* (1969)

Howard, L. O. A new silk-spinning chalcid. (Can. entom., Aug. 1880, v. 12, p. 158-159.) Habits and description of *euplectrus comstockii*, a new species found feeding externally on the larva of the cotton worm [*aletia argillacea*]. *G: D.* (1970)

Indian silk industry. (Journ. applied sci., Oct. 1880, v. 11, p. 154-155, 71 cm.) Prizes offered to the natives by Mr. Lepper, at Kauligir, India, for planting *morus* and *ricinus* and for silk. *G: D.* (1971)

Infection from mosquitoes [PSYCHE, Rec., no. 1737]. (Pacific rural press [San Francisco], 31 July 1880, v. 20, p. 71, col. 3, 6 cm.) *B: P. M.* (1972)

Kellicott, D. S. [*Cossus* and *nephopteryx*.] (Can. entom., March 1880, v. 12, p. 59.) Notes on *cossus* from Mich., and on *nephopteryx zimmermanni*, from N. Y. *G: D.* (1973)

Lelièvre, Ernest. [Passage de *pieris rapae* et de *p. napi*.] (Feuille des jeunes naturalistes, Oct. 1880, an. 10, p. 161.) Flight of *p. rapae* and *p. napi* seen 23 July 1880, near Brussels, Belgium. *G: D.* (1974)

LeMon, J. G. The locust scourge. Rages of the destructive insect in Sierra Valley. Destruction of the alfalfa crop in Truckee Meadows. Description of the scourge and its best-known enemies. ([San Francisco, Cal.] evening bulletin, 11 Sept. 1880, v. 50, no. 134, p. 4, col. 1-3, 10 fig., 162 cm.) *B: P. M.* (1975)

M., H. B. Curious facts . . . [PSYCHE, Rec., no. 1536]. Extract, entitled, "The cochineal insect." (New remedies, June 1880, v. 9, p. 175, 18 cm.) *G: D.* (1976)

Nicholls, H. A. Alford. Dominica and its boiling lake. (Colonies and India, 19 July 1879, p. 7, 24 cm.) Note (2 cm.) on *cennostoma coffeellum*, which does not attack Liberian coffee in Dominica. *G: D.* (1977)

McBride, A. S. Entomological notes. (Can. entom., June 1880, v. 12, p. 106-107.) Notes on a few species of coleoptera and their habits. *G: D.* (1978)

Michels, H. Beschreibung des Nervensystems von *oryctes nasicornis* im Larven-, Puppen- und Käferzustande. (Zeitschr. f. wissenschaftl. Zool., 1880, bd. 34, p. 641-702, pl. 33-36.)

Anatomical.

G: D. (1979)

Packard, Alpheus Spring, jr. The eyes and brain of *cermatia forceps*. (Amer. nat., Aug. 1880, v. 14, p. 602-603.)

Anatomical and histological.

G: D. (1980)

Packard, Alpheus Spring, jr. Moths entrapped . . . [PSYCHE, Rec., no. 1671]. (Botan. gazette [Crawfordsville, Ind.], Feb. 1880, v. 5, p. 17-20.)

Notice. (Nature, 29 Jan. 1880, v. 21, p. 308, 13 cm.)

Abstract. (Journ. of sci., March 1880, s. 3, v. 2, p. 213.)

G: D. (1981)

Peabody, Selim Hobart. Cecil's books of natural history. 3 v. [each with sub-title] Cecil's book of beasts; . . . of birds; . . . of insects. Chic., Clarke & Co., 1869. 10 + 214 p.; 10 + 234 p.; 10 + 228 p.; 18 X 13, t 12.5 X 7.8. cl., \$1.25 each.

Re-issue, Phil., Claxton, Remsen & Haf-felfinger, 1871. cl., \$1.25 each.

Re-issue, 3 v. in one, entitled, "Cecil's books of natural history. Part I, Beasts; part II, Birds; part III, Insects. Profusely illustrated." Phil., Claxton . . . , 1879. 15 + 674 p. cl. \$1.75.

Re-issue, 3 v. in one, with same title, N. Y., American Book Exchange, 1879. cl., \$1.25.

Re-issue, N. Y., American Book Ex-change, 1880. cl. \$1.00.

Notice. (Title-slip registry, Nov. [Dec.] 1879, v. 1, p. 108.)

Rev. (Psyche, Nov. 1880 [March 1881], v. 3, p. 138.)

The successive issues all printed from the same plates. The entomological portion treats of ants, bees, spiders, dragon-flies, white-ants, wasps, locusts, mos-quitos, beetles and butterflies, in a simple manner, intended to interest and instruct children.

S. H. P. (1982)

Peabody, Selim Hobart. [Swarming of *danais archippus*.]

(Can. entom., June 1880, v. 12, p. 119-120.)

Swarming of *danais archippus* at Racine, Wis-con-sin, Sept. 1868.

G: D. (1983)

Phylloxera vastatrix. Important meeting of viticulturists at Sonoma. Concerted action necessary to destroy the pest in infected districts. The future safety of our vineyards assured by the energetic recom-mendations and action of the State viticul-tural board. (San Francisco [Cal.] mer-chant, 30 July 1880, v. 3, no. 22, p. [1], col. 1-5, 260 cm.)

Report of meeting, at Sonoma, 23-24 July 1880, of the Board of state viticultural commissioners. Communi-cations and addresses upon the grape phylloxera, its first appearance and spread in California, means of preventing its ravages.

B: P. M. (1984)

Pilati [Pilate], E. Chasse aux lépidoptères. (Feuille des jeunes naturalistes, July 1880, an. 10, p. 118-119.)

Mode of capturing and killing lepidoptera.

G: D. (1985)

Plateau, Félix. Preservation of entomo-logical specimens. (Ann. record of sci. and industry, . . . S. F. Baird, 1876, p. 275.)

Recommends use of yellow glass in windows of rooms containing collections of insects, as a means of preserving the colors. Experiments with colored glass other than yellow mentioned.

H: W. T. (1986)

Potato bugs (About). (N. Y. herald, 11 June 1880, . . . , 16 cm.)

Abundance of *doryphora decemlineata* in Westches-ter county, N. Y., and the remedies used.

G: D. (1987)

Freudhomme de Borre, Alfred. Quelques mots sur l'organisation et l'histoire naturelle des animaux articulés, conférence donnée le 15 février 1880, à la Société royale linéenne. (Bull. soc. roy. linn. de Brux-elles, 1879 [April 1880], v. 8, p. 119-137.) Popular lecture upon articulates.

G: D. (1988)

Putnam, Joseph Duncan. Biological and other notes on coccidae. I. *Pulvinaria innumerabilis*. II. *Aspidiotus acynlus*. (Proc. Daven-port acad. nat. sci., 1879-1880, v. 2, p. 293-348, pl. 12-13.)

Separate, with t.-p. cover. Davenport, Feb. 1880. p. 293-348, 2 pl., 25 X 16, t 16.8 X 10.1.

P. innumerabilis, its synonymy, history, develop-ment, different stages and forms and their habits, inter-nal anatomy, diseases, parasites, enemies, manner of distribution, effects on trees, remedies, food-plants (chiefly *acer dasycarpum*, *a. saccharinum*, *negundo aceroides*, and *tilia europaea*), other species of *pulvina-ria*; brief account of *aspidiotus acynlus*.

G: D. (1989)

Riley, C: Valentine. Harvest mites. (Amer. nat., Jan. 1873, v. 7, p. 16-19, fig. 5.)

Describes and figures *leptus americanus*, n. sp. and *l. irritans*, n. sp.

G: D. (1990)

Riley, C: Valentine. Notes on the apple-worm. (Amer. nat., Aug. 1879, v. 13, p. 523-524.)

The freedom of Michigan apples from *carpocapsa pomonella* probably due to the general failure of the apple crop in 1877, and to the efforts made to prevent the ravages of this insect. From a paper before the Mis-souri State Horticultural Society, 1879.

G: D. (1991)

Riley, C: Valentine. On the oviposition of the yucca moth [*pronuba yuccasella*]. (Amer. nat., Oct. 1873, v. 7, p. 619-623.)

G: D. (1992)

Rogers, R. Vashon. Entomology for beginners. Tiger beetles. (Can. entom., April 1880, v. 12, p. 61-65, fig. 10-15.) Figures *cicindela vulgaris*, *c. purpurea*, *c. sexguttata*, *c. hirticollis*, *c. generosa*, and a larva of *cicindela*: notes on their habits. G: D. (1993)

DE Rossi, G. Eine sonderbare Mésalliance. (Entom. Nachrichten, 15 March 1880, jahrg. 6, p. 57.) Copulation observed between a male *agelastica halensis* and a female *chrysomela brunsvicensis*. G: D. (1994)

Sanborn, Francis Gregory. Collections of the late Dr. Asa Fitch. (Can. entom., April 1880, v. 12, p. 66-67.) Descriptive of A. Fitch's collection and its condition. Nearly the same description is contained in PSYCHE, Sept.-Dec. 1879 [9 April 1880], p. 273-275. G: D. (1995)

Saunders, W: Entomology for beginners, no. 2. (Can. entom., Jan. 1880, v. 12, p. 4-6, fig. 1-3.) Figures and describes *catocala ultronia* and describes its larva; figures *pseucerus supernotatus* and *aegeria tipuliformis*, habits of the former. G: D. (1996)

Saunders, W: Entomology for beginners. The common woolly bear, *spilosoma virginica*. (Can., entom., March 1880, v. 12, p. 56-57, fig. 9.) Figures and briefly describes larva, pupa, and female imago of *s. virginica*. G: D. (1997)

Schnabl, Johann. Ueber Libellenschwärme. (Entom. Nachrichten, 1 Aug. 1880, jahrg. 6, p. 167.) Flight of great numbers of *libellula quadrimaculata* through Warsaw, Poland, 14-16 May 1880. A flight of *l. flavomaculata* noted at Warsaw, 6-7 June 1880. G: D. (1998)

Scudder, S: Hubbard. A few notes on N. American *acridii*. (Can. entom., April 1880, v. 12, p. 75-76.) Synonymy of a few species of *pezotettix*, *caloptenus* and *melanoplus*; describes *bradynotes*, a new genus, of which *pezotettix obesa* is the type and the only known species. G: D. (1999)

Scudder, S: Hubbard. The entomological libraries of the United States. (Bull. of the libr. of Harvard university, 1 Jan. 1880, no. 14, v. 2, p. 20-23.) Separate. (Lib. Harvard university. Bibliographical contributions, no. 11.) Republished from the Bulletin of the library of Harvard university, no. 14. Cambridge, Mass., 1880. 6 p., 25 X 17.5, t 20 X 13. Notice. (Amer. nat., June 1880, v. 14, p. 466.) Size and specialties of the largest public and private entomological libraries of the United States. List of 69 rare entomological works found in the different libraries of the vicinity of Cambridge, with indication of the libraries possessing each work. G: D. (2000)

Silkworm-gut. (New remedies, June 1880, v. 9, p. 180, 8 cm.) Sources of silkworm-gut and foodplants of the so-called "camphor-worm" of Japan. G: D. (2001)

Smith, Worthington G. Carnivorous wasps. (Nature, 15 April 1880, v. 21, p. 563.) Observed wasps attacking and killing *bombus*, *calliphora* and *apis*; the garden was full of flowers and the wasps seemed to be lying in ambush for the bees. J. M. W. (2002)

[**Société helvétique des sciences naturelles.**] 62ème session, réunie à Saint-Gall les 10, 11 et 12 Août 1879. (Archives des sci. phys. et nat., 15 Dec. 1879, per. 3, v. 2, p. 677-723.) Contains abstract of paper by Dr. V. Fatio upon phylloxera in Switzerland (p. 708-711), and of a paper by F. A. Forel on his experiments upon the larvae of the *hydropsychides* (*tinodes turida*) which sculpture the rock of the bed of Lake Geneva. G: D. (2003)

Sprague, Frank Headley. Notes from Wollaston, Mass. (Can. entom., May 1880, v. 12, p. 100.) Notes on *colias philodice*, *c. eurytheme*, *limenitis arthemis*, and *junonia coenia*. G: D. (2004)

Taschenberg, O: Die Flöhe. Die Arten der Insektenordnung *suctoria* nach ihrem Chitinskelet monographisch dargestellt. Mit 4 lithographischen Tafeln. Halle, Max Niemeyer, 1880. t.-p. cover, 120 [+ 2] p., 4 pl., 25 X 18.5, t 19 X 13. 7 M. Correction, by E. Ehlers, entitled, "Bemerkungen." (Zool. Anzeiger, 23 Aug. 1880, jahrg. 3, p. 429-430.) General anatomy; systematic arrangement; divides the order *suctoria* into 2 families, *sarcopsyllidae* (containing *sarcopsylla penetrans*, *s. gallinacea*, and *rhynchosylla pulex*) and *pulicidae*, of which an analytical table of 3 genera and 21 species is given; description, synonymy and habits of the 24 species (of 5 genera) of *suctoria* seen by the author; describes 2 new genera (*hystrichopsylla* and *typhlopsylla*) and 9 new species (none from N. A.); notes upon or quoted descriptions of 10 species not seen by the author; remarks on the distribution of *sarcopsylla penetrans* and *pulex irritans*; catalog of animals on which or in the nests of which fleas have been found, with names of the latter; alphabetical index of species described and of synonyms; alphabetical list of 101 works cited by the author; plates. G: D. (2005)

Tessier, Lucien. Chasse d'hiver. (Feuilles des jeunes naturalistes, April 1880, p. 82-83.) Many insects are not killed by the cold of winter. List of coleoptera taken 15-20 Feb., at Kichompré, near Gérardmer, Vosges, France. G: D. (2006)

Thaxter, Roland. Swarming of *archippus*. (Can. entom., Feb. 1880, v. 12, p. 38-39, fig. 6.) Swarms of *danais archippus* seen in Apalachicola, Florida, in the winter of 1875-76. Figures a twig full of butterflies to illustrate how thick they were upon it. G: D. (2007)